Patent Claims

1. Compounds of the formula I

5		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
10	in which	
15	D	denotes a mono- or bicyclic aromatic carbo- or heterocycle having 0 to 4 N, O and/or S atoms which is unsubstituted or mono- or polysubstituted by Hal, A, OR ² , N(R ²) ₂ , NO ₂ , CN, COOR ² , CON(R ²) ₂ or -C≡CH,
20	Y R ¹	denotes NR ³ or O, denotes O, S, NH, N-CN or N-NO ₂ , denotes H, Ar, Het, cycloalkyl or
20		A, which may be mono-, di- or trisubstituted by OR^2 , SR^2 , $S(O)_mR^2$, $SO_2N(R^2)_2$, SO_3R^2 , $S(=O)(=NR^2)R^2$, $NR^2SO_2R^2$, OSO_2R^2 , $OSO_2N(R^2)_2$, $N(R^2)_2$, CN , $COOR^2$, $CON(R^2)_2$, Ar , Het or cycloalkyl,
25	E Z	denotes CH or N, is absent or denotes a (CH ₂) _q group, in which one or two
30		CH ₂ groups may be replaced by N, O and/or S atoms and/or by a -CH=CH- group and which is unsubstituted or monosubstituted by carbonyl oxygen (=O),
	Z'	is absent or denotes a $(CH_2)_{q'}$ group, in which one or two CH_2 groups may be replaced by N, O and/or S atoms and/or by a -CH=CH- group and which is unsubstituted or
35	Q	monosubstituted by carbonyl oxygen (=O), is absent or denotes O, NR ² , C=O, SO ₂ or C(R ²) _n ,

	R ²	denotes H, A, $-[C(R^3)_2]_n$ -Ar', $-[C(R^3)_2]_n$ -Het', $-[C(R^3)_2]_n$ -cycloalkyl,
		$-[C(R^3)_2]_n-N(R^3)_2$ or $-[C(R^3)_2]_n-OR^3$,
_	R^3	denotes H or A,
5	R⁴, R⁴¹	each, independently of one another, is absent or denote A, OH or OA,
	R⁴ and R	4'together also denote methylene or ethylene,
	Т	denotes a mono- or bicyclic saturated, unsaturated or aro-
10		matic carbo- or heterocycle having 0 to 4 N, O and/or S
		atoms, which may be mono-, di- or trisubstituted by =O, =S, =NH, =NR ³ , =NOR ³ , =NCOR ³ , =NCOOR ³ ,
		R ³ , Hal, A, -[C(R ³) ₂] _n -Ar, -[C(R ³) ₂] _n -Het, -[C(R ³) ₂] _n -
15		cycloalkyl, OR ³ , N(R ³) ₂ , NO ₂ , CN, COOR ³ , CON(R ³) ₂ ,
		NR ³ COA, NR ³ CON(R ³) ₂ , NR ³ SO ₂ A, COR ³ , SO ₂ NR ² and/or
		$S(O)_nA$,
	Α	denotes unbranched or branched alkyl having 1-10 C
20		atoms, in which one or two CH ₂ groups may be replaced by
20		O or S atoms and/or by -CH=CH- groups and/or also 1-7 H
		atoms may be replaced by F,
	Ar	denotes phenyl, naphthyl or biphenyl, each of which is un-
	ı	substituted or mono-, di- or trisubstituted by Hal, A, OR ² ,
25		$N(R^2)_2$, NO_2 , CN , $COOR^2$, $CON(R^2)_2$, NR^2COA , NR^2SO_2A ,
		COR^2 , $SO_2N(R^2)_2$, $-[C(R^3)_2]_n$ - $COOR^2$, $-O-[C(R^3)_2]_o$ - $COOR^2$,
		SO₃H or S(O) _n A,
	Ar'	denotes phenyl which is unsubstituted or mono-, di- or
30		trisubstituted by Hal, A, OR ³ , N(R ³) ₂ , NO ₂ , CN, COOR ³ ,
		CON(R ³) ₂ , NR ³ COA, NR ³ CON(R ³) ₂ , NR ³ SO ₂ A, COR ³ ,
		$SO_2N(R^3)_2$, $S(O)_nA$, $-[C(R^3)_2]_n$ - $COOR^3$ or $-O-[C(R^3)_2]_o$ -
		COOR ³ ,
25	Het	denotes a mono- or bicyclic saturated, unsaturated or aro-
35		matic heterocycle having 1 to 4 N, O and/or S atoms,
		which may be unsubstituted or mono-, di- or trisubstituted

3.

by carbonyl oxygen (=0), =S, =N(R^2)₂, Hal, A, -[C(R^3)₂]_n-Ar, $-[C(R^3)_2]_n$ -Het', $-[C(R^3)_2]_n$ -cycloalkyl, $-[C(R^3)_2]_n$ -OR², $-[C(R^3)_2]_n-N(R^3)_2$, NO₂, CN, $-[C(R^3)_2]_n-COOR^2$, $-[C(R^3)_2]_n-COOR^2$ $CON(R^2)_2$, $-[C(R^3)_2]_n$ -NR²COA, NR²CON(R²)₂, $-[C(R^3)_2]_n$ -5 NR²SO₂A, COR², SO₂N(R²)₂ and/or S(O)_nA, denotes a mono- or bicyclic saturated, unsaturated or aro-Het' matic heterocycle having 1 to 4 N, O and/or S atoms, which may be unsubstituted or mono- or disubstituted by carbonyl oxygen, =S, =N(R³)₂, Hal, A, OR³, N(R³)₂, NO₂, 10 CN, COOR³, CON(R³)₂, NR³COA, NR³CON(R³)₂, NR³SO₂A, COR³, SO₂N(R³)₂ and/or S(O)_nA, denotes F, Cl, Br or I. Hal denotes 1 or 2, m 15 denotes 0, 1 or 2, n denotes 1, 2 or 3, 0 denotes 1, 2, 3, 4 or 5, p each, independently of one another, denote 0, 1, 2, 3 or 4, q, q' 20 where at least one of the groups Z or Z' is present, and $0 < q + q' \le 6$, 25 and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios. 2. Compounds according to Claim 1 in which denotes phenyl which is unsubstituted or mono- or D 30 disubstituted by Hal, A, OR² or COOR², or pyridyl which is unsubstituted or monosubstituted by Hal, and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios. 35

Compounds according to Claim 1 or 2 in which

		D denotes phenyl which is monosubstituted by Hal,
		and pharmaceutically usable derivatives, solvates, salts and stereo-
		isomers thereof, including mixtures thereof in all ratios.
5	4.	Compounds according to one or more of Claims 1-3 in which R ² denotes H or A,
		and pharmaceutically usable derivatives, solvates, salts and stereo-
		·
10		isomers thereof, including mixtures thereof in all ratios.
10	5.	Compounds according to one or more of Claims 1-4 in which
		T denotes a mono- or bicyclic saturated, unsaturated or aro-
		matic heterocycle having 1 to 2 N, O and/or S atoms,
15		which may be unsubstituted or mono- or disubstituted by A
10		or carbonyl oxygen (=O),
		phenyl which is unsubstituted or mono-, di- or trisubstituted
		by Hal, OR ² or NR ² COA,
00		or a monocyclic unsubstituted, saturated carbocycle,
20		and pharmaceutically usable derivatives, solvates, salts and stereo-
		isomers thereof, including mixtures thereof in all ratios.
	6.	Compounds according to one or more of Claims 1-5 in which
25		Q is absent or denotes O or CH ₂ ,
		and pharmaceutically usable derivatives, solvates, salts and stereo-
		isomers thereof, including mixtures thereof in all ratios.
30	7.	Compounds according to one or more of Claims 1-6 in which
30		Ar denotes phenyl which is unsubstituted or mono-, di- or
		trisubstituted by Hal, A, OR ² , NR ² COA, SO ₂ A, SO ₂ NH ₂ ,
		COOR ² or CN,

and pharmaceutically usable derivatives, solvates, salts and stereo-

isomers thereof, including mixtures thereof in all ratios.

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8.		Compounds according to one or more of Claims 1-7 in which		
		Ar	denotes phenyl which is unsubstituted or mono-, di- or	
			trisubstituted by Hal, A, OR ³ or NR ³ COA,	
5		and phar	maceutically usable derivatives, solvates, salts and stereo-	
		isomers t	hereof, including mixtures thereof in all ratios.	

- 9. Compounds according to one or more of Claims 1-8 in which R¹ denotes Ar, Het, cycloalkyl or A, which may be monosubstituted by OR², and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.
- 10. Compounds according to one or more of Claims 1-9 in which
 R¹ denotes phenyl which is unsubstituted or mono-, di- or
 trisubstituted by Hal, OH or OA,
 a monocyclic aromatic heterocycle having 1 to 2 N, O
 and/or S atoms,
 or

A, which may be monosubstituted by OR³, and pharmaceutically usable derivatives, solvates, salts and stereo-isomers thereof, including mixtures thereof in all ratios.

11. Compounds according to one or more of Claims 1-10 in which

Het denotes a mono- or bicyclic saturated, unsaturated or aromatic heterocycle having 1 to 2 N, O and/or S atoms,
which may be unsubstituted or mono- or disubstituted by A
or carbonyl oxygen (=O),
and pharmaceutically usable derivatives, solvates, salts and stereo-

12. Compounds according to one or more of Claims 1-11 in which

isomers thereof, including mixtures thereof in all ratios.

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Υ	denotes O,
and pharr	naceutically usable derivatives, solvates, salts and stereo
isomers th	nereof, including mixtures thereof in all ratios.

- 13. Compounds according to one or more of Claims 1-12 in which X denotes NR^{3'} or O,
 R^{3'} denotes H,
 and pharmaceutically usable derivatives, solvates, salts and stereo-isomers thereof, including mixtures thereof in all ratios.
 - 14. Compounds according to one or more of Claims 1-13 in which Z, Z' denote ethylene, and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.
- 15. Compounds according to one or more of Claims 1-14 in which

 T denotes a monocyclic saturated or aromatic heterocycle
 having 1 to 2 N and/or O atoms, which may be unsubstituted or mono- or disubstituted by A or carbonyl oxygen
 (=O),
 phenyl which is unsubstituted or mono-, di- or trisubstituted
 by Hal, OH, OA or NHCOA,
 or a monocyclic unsubstituted, saturated carbocycle,
 and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.
 - 16. Compounds according to one or more of Claims 1-15 in which A denotes unbranched or branched alkyl having 1-10 C atoms, in which 1-7 H atoms may be replaced by F, and pharmaceutically usable derivatives, solvates, salts and stereoisomers thereof, including mixtures thereof in all ratios.

	17.	Compoun	ds according to one or more of Claims 1-16 in which
		D	denotes phenyl which is unsubstituted or mono- or
			disubstituted by Hal, A, OR ² or COOR ² , or pyridyl which is
_			unsubstituted or monosubstituted by Hal,
5		X	denotes NR ³ or O,
		Υ	denotes O,
		R ¹	denotes Ar, Het, cycloalkyl or
			A, which may be monosubstituted by OR ² ,
10		E	denotes CH or N,
		Z, Z'	denote ethylene,
		Q	is absent or denotes O or CH ₂ ,
		R^2	denotes H or A,
15		R ³	denotes H or A,
		R⁴, R⁴'	each, independently of one another, is absent or denote A,
			OH or OA,
		R⁴ and R	^{4'} together also denote methylene or ethylene,
20		T	denotes a monocyclic saturated or aromatic heterocycle
20			having 1 to 2 N and/or O atoms, which may be unsubsti-
			tuted or mono- or disubstituted by A or carbonyl oxygen
			(=O),
			phenyl which is unsubstituted or mono-, di- or trisubstituted
25			by Hal, OH, OA or NHCOA,
			or a monocyclic unsubstituted, saturated carbocycle,
		Α	denotes unbranched or branched alkyl having 1-10 C
			atoms, in which 1-7 H atoms may be replaced by F,
30		Ar	denotes phenyl which is unsubstituted or mono-, di- or
			trisubstituted by Hal, A, OR ² , NR ² COA, SO ₂ A, SO ₂ NH ₂ ,
			COOR ² or CN,
		Het	denotes a mono- or bicyclic saturated, unsaturated or aro-
35			matic heterocycle having 1 to 2 N, O and/or S atoms,
55			which may be unsubstituted or mono- or disubstituted by A
			or carbonyl oxygen (=O),

		Hal	denotes F, CI, Br or I,
		р	denotes 1, 2, 3, 4 or 5,
,		and phar	maceutically usable derivatives, solvates, salts and stereo-
_		isomers t	hereof, including mixtures thereof in all ratios.
5			
	18.	Compour	nds according to one or more of Claims 1-17 in which
		D	denotes phenyl which is monosubstituted by Hal,
		X	denotes NR ^{3'} or O,
10		Υ	denotes O,
		R ¹	denotes phenyl which is unsubstituted or mono-, di- or
-		•	trisubstituted by Hal, OH or OA,
			a monocyclic aromatic heterocycle having 1 to 2 N, O
15			and/or S atoms,
			or .
			A, which may be monosubstituted by OR ³ ,
		R ^{3'}	denotes H,
20		E	denotes CH or N,
20		Z, Z'	denote ethylene,
		Q	is absent or denotes O or CH ₂ ,
		R^2	denotes H or A,
		R^3	denotes H or A,
25		R ⁴ , R ^{4'}	each, independently of one another, is absent or denote A,
			OH or OA,
		R⁴ and R	⁴ together also denote methylene or ethylene,
		Т	denotes a monocyclic saturated or aromatic heterocycle
30			having 1 to 2 N and/or O atoms, which may be unsubsti-
			tuted or mono- or disubstituted by A or carbonyl oxygen
			(=O),
			phenyl which is unsubstituted or mono-, di- or trisubstituted
25			by Hal, OH, OA or NHCOA,
35			or a monocyclic unsubstituted, saturated carbocycle,

		Α	denotes unbranched or branched alkyl having 1-10 C atoms, in which 1-7 H atoms may be replaced by F,
		Hal	denotes F, Cl, Br or I,
			naceutically usable derivatives, solvates, salts and stereo-
5		•	hereof, including mixtures thereof in all ratios.
	19.	Compoun	ids according to one or more of Claims 1-18 in which
		D	denotes phenyl which is monosubstituted by Hal,
10		X	denotes NR ^{3'} or O,
	÷	Υ	denotes O,
		R^1	denotes thienyl, furyl, phenyl which is unsubstituted or
			mono-, di- or trisubstituted by Hal, OH or OA,
15			or
13			A, which may be monosubstituted by OR ³ ,
		R^3	denotes H or A,
		R ^{3'}	denotes H,
		E	denotes CH or N,
20		Z, Z'	denote ethylene,
		Q	is absent or denotes O or CH ₂ ,
		R^2	denotes H or A,
		R^3	denotes H or A,
25		R⁴, R⁴′	each, independently of one another, is absent or denote A,
			OH or OA,
		R⁴ and R'	^{4'} together also denote methylene or ethylene,
		Т	denotes piperidinyl, piperazinyl, pyridinyl, 2-oxopiperidin-1-
30			yl, 2-oxopiperidin-4-yl, 2-oxopyrrolidin-1-yl, pyrrolidin-1-yl,
			2-oxo-1 <i>H</i> -pyridin-1-yl, 3-oxomorpholin-4-yl, morpholin-4-yl,
			4-oxo-1 <i>H</i> -pyridin-1-yl, 2,6-dioxopiperidin1-yl, 2-oxo-
			piperazin-1-yl, 2,6-dioxopiperazin1-yl, 2,5-dioxopyrrolidin-
0.5			1-yl, 2-oxo-1,3-oxazolidin-3-yl, pyridazinyl, 3-oxo-2 <i>H</i> -pyri-
35			dazin-2-yl, 2-caprolactam-1-yl (= 2-oxoazepan-1-yl),
			6-oxopiperazin-1-yl, 2-azabicyclo[2.2.2]octan-3-on-2-yl,

			5,6-dihydro-1 <i>H</i> -pyrimidin-2-oxo-1-yl, 2-oxo-1,3-oxazinan-3-
			yl or 4 <i>H</i> -1,4-oxazin-4-yl, where the radicals may addition-
			ally be monosubstituted by A,
			phenyl which is unsubstituted or mono-, di- or trisubstituted
5			by Hal, OH, OA or NHCOA,
			or a monocyclic unsubstituted, saturated carbocycle,
		Α	denotes unbranched or branched alkyl having 1-10 C
			atoms, in which 1-7 H atoms may be replaced by F,
10		Hal	denotes F, Cl, Br or I,
		*	maceutically usable derivatives, solvates, salts and stereo-
		• .	hereof, including mixtures thereof in all ratios.
15	20.	Compour	nds according to one or more of Claims 1-19 in which
		D	denotes phenyl which is monosubstituted by Hal,
		X	denotes NR ^{3'} or O,
		Υ	denotes O,
20		R ¹	denotes thienyl, furyl, phenyl which is unsubstituted or
20			mono-, di- or trisubstituted by Hal, OH or OA,
			or
			A, which may be monosubstituted by OR ³ ,
		R^3	denotes H or A,
25		R ^{3'}	denotes H,
		E	denotes CH or N,
		Z	denotes ethylene,
		Z'	denotes ethylene,
30		Q	is absent or denotes O or CH ₂ ,
		R^2	denotes H or A,
		R^3	denotes H or A,
		R ⁴ , R ^{4'}	is absent,
0.5		R⁴ and R	^{4'} together also denote methylene or ethylene,
35			

		T	denotes piperidin-1- or 4-yl, piperazinyl, morpholin-4-yl,			
			each of which is unsubstituted or monosubstituted by A			
			and/or carbonyl oxygen (=O),			
E			or unsubstituted cyclohexyl,			
5		Α	denotes unbranched or branched alkyl having 1-10 C			
			atoms, in which 1-7 H atoms may be replaced by F,			
		Hal	denotes F, Cl, Br or I,			
		and phar	maceutically usable derivatives, solvates, salts and stereo-			
10		isomers t	hereof, including mixtures thereof in all ratios.			
	21.	Compour	nds according to Claim 1			
15		(R)-	1-(4-chlorophenyl)-3-[2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2-			
		oxo-1-phenylethyl]urea,				
		(R)	-1-(4-chlorophenyl)-3-{2-[4-(4-fluorophenyl)piperazin-1-yl]-2-			
		oxo-1-ph	enylethyl}urea,			
20		(R)-	1-(4-chlorophenyl)-3-{2-[4-(4-fluorophenoxy)piperidin-1-yl]-2-			
20		oxo-1-ph	enylethyl}urea ,			
		(R)-	1-(4-chlorophenyl)-3-[2-oxo-1-phenyl-2-(4-pyridin-4-yl-			
		piperazin	-1-yl)ethyl]urea bistrifluoroacetate,			
		(R)-	1-(4-chlorophenyl)-3-{2-[4-(1-methylpiperidin-4-yl)piperazin-			
25		1-yl]-2-ox	o-1-phenylethyl}urea bistrifluoroacetate,			
		(R)-	1-(4-chlorophenyl)-3-{2-[4-(4-ethylpiperazin-1-yl)piperidin-1-			
		yl]-2-oxo-	1-phenylethyl}urea bistrifluoroacetate,			
		(R)-	1-(4-chlorophenyl)-3-[2-oxo-1-phenyl-2-(4-pyridin-3-yl-			
30		methylpip	perazin-1-yl)ethyl]urea bistrifluoroacetate,			
		(R,F	R)-1-(4-chlorophenyl)-3-{2-methoxy-1-[1-(4-pyridin-4-yl-			
		piperazin	-1-yl)methanoyl]propyl}urea bistrifluoroacetate,			
		(R,F	R)-1-(4-chlorophenyl)-3-(2-methoxy-1-{1-[4-(1-methyl-			
		piperidin-	4-yl)piperazin-1-yl]methanoyl}propyl)urea bistrifluoroacetate,			

(R,R)-1-(4-chlorophenyl)-3-{2-methoxy-1-[1-(1'-methyl-4,4'bipiperidinyl-1-yl)methanoyl]propyl}urea trifluoroacetate, (R)-1-(4-chlorophenyl)-3-[2-oxo-1-phenyl-2-(4-pyridin-4-ylpiperazin-1-yl)ethyl]urea, 5 (R)-1-(4-chlorophenyl)-3-[1-(4-pyridin-4-ylpiperazine-1-carbonyl)butyl]urea, (R)-1-(4-chlorophenyl)-3-{2-[4-hydroxy-4-(4-methoxyphenyl)piperidin-1-yl]-2-oxo-1-phenylethyl}urea, 10 (R)-1-(4-chlorophenyl)-3-{2-[4-(2-methoxyphenyl)piperazin-1-yl]-2-oxo-1-phenylethyl}urea, (R)-N-[4-(1-{2-[3-(4-chlorophenyl)ureido]-2-phenylethanoyl}piperidin-4-ylmethyl)phenyl]acetamide, (R)-1-(4-chlorophenyl)-3-{2-oxo-1-phenyl-2-[4-(1-phenyl-15 methanoyl)piperidin-1-yl]ethyl}urea, (R)-1-(4-chlorophenyl)-3-[2-oxo-1-phenyl-2-(4-pyridin-2-ylpiperazin-1-yl)ethyl]urea, (R)-1-[2-(4-benzylpiperazin-1-yl)-2-oxo-1-phenylethyl]-3-(4-20 chlorophenyl)urea, (R)-1-(4-chlorophenyl)-3-{2-[5-(4-fluorophenyl)-2,5-diazabicyclo[2.2.1]hept-2-yl]-2-oxo-1-phenylethyl}urea, (R)-1-(4-chlorophenyl)-3-{2-[4-(4,6-dimethylpyrimidin-2-yl)-25 piperazin-1-yl]-2-oxo-1-phenylethyl}urea, (R,S)-1-[2-(3-benzylpiperidin-1-yl)-2-oxo-1-phenylethyl]-3-(4chlorophenyl)urea, (S,S)-1-(4-chlorophenyl)-3-{2-hydroxy-1-[1-(4-pyridin-4-ylpiperazin-1-yl)methanoyl]propyl}urea, 30 (S,S)-1-(4-chlorophenyl)-3-(2-hydroxy-1-{1-[4-(1-methylpiperidin-4-yl)piperazin-1-yl]methanoyl}propyl)urea, (R,R)-1-(4-chlorophenyl)-3-{2-methoxy-1-[1-(4-pyridin-3-ylmethylpiperazin-1-yl)methanoyl]propyl}urea bistrifluoroacetate,

(R)-1-(4-chlorophenyl)-3-[2-oxo-1-phenyl-2-(4-pyridin-4-ylpiperazin-1-yl)ethyl]urea bistrifluoroacetate, (R,R)-1-(4-chlorophenyl)-3-(1-{1-[4-(4-ethylpiperazin-1-yl)piperidin-1-yl]methanoyl}-2-methoxypropyl)urea bistrifluoroacetate, 5 (R)-1-(4-chlorophenyl)-3-{2-[4-(1-methylpiperidin-4-yl)piperazin-1-yl]-2-oxo-1-phenylethyl}urea bistrifluoroacetate, (R)-1-(2-4,4'-bipiperidinyl-1-yl-2-oxo-1-phenylethyl)-3-(4-chlorophenyl)urea hydrochloride, 10 (R)-1-[2-4,4'-bipiperidinyl-1-yl-1-(4-hydroxyphenyl)-2-oxoethyl]-3-(4-chlorophenyl)urea hydrochloride, (R)-1-(2-4,4'-bipiperidinyl-1-yl-2-oxo-1-thiophen-2-ylethyl)-3-(4chlorophenyl)urea hydrochloride, (R)-1-(4-chlorophenyl)-3-[1-(4-hydroxyphenyl)-2-(1'-methyl-4,4'-15 bipiperidinyl-1-yl)-2-oxoethyl]urea trifluoroacetate, (R)-1-(4-chlorophenyl)-3-[2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2oxo-1-thiophen-2-ylethyl]urea trifluoroacetate, (R)-1-(4-chlorophenyl)-3-[1-(4-hydroxyphenyl)-2-(4-morpholin-4-20 ylpiperidin-1-yl)-2-oxoethyl]urea trifluoroacetate, 1-[2-[1,4']bipiperidinyl-1'-yl-1-(4-hydroxyphenyl)-2-oxoethyl]-3-(4chlorophenyl)urea, (R)-1-(4-chlorophenyl)-3-[2-(4-morpholin-4-ylpiperidin-1-yl)-2-25 oxo-1-phenylethyl]urea trifluoroacetate, (R)-1-(2-[1,4]bipiperidinyl-1'-yl-2-oxo-1-phenylethyl)-3-(4-chlorophenyl)urea trifluoroacetate, (R)-1-(4-chlorophenyl)-3-[2-(4-cyclohexylpiperazin-1-yl)-1-(4hydroxyphenyl)-2-oxoethyl]urea trifluoroacetate, 30 (R)-1-(4-chlorophenyl)-3-[2-(4-cyclohexylpiperazin-1-yl)-2-oxo-1phenylethyl]urea trifluoroacetate, (R)-1-(4-chlorophenyl)-3-{1-(4-hydroxyphenyl)-2-[4-(4-methylpiperazin-1-yl)piperidin-1-yl]-2-oxoethyl}urea bistrifluoroacetate. 35 (R)-1-(4-chlorophenyl)-3-{2-[4-(4-methylpiperazin-1-yl)piperidin-

1-yl]-2-oxo-1-phenylethyl}urea bistrifluoroacetate,

(R)-1-(4-chlorophenyl)-3-[2-(4-morpholin-4-ylpiperidin-1-yl)-2oxo-1-thiophen-2-ylethyl]urea trifluoroacetate, (R)-1-(2-[1,4']bipiperidinyl-1'-yl-2-oxo-1-thiophen-2-ylethyl)-3-(4chlorophenyl)urea trifluoroacetate, 5 (R)-1-(4-chlorophenyl)-3-[2-(4-cyclohexylpiperazin-1-yl)-2-oxo-1thiophen-2-ylethyllurea trifluoroacetate, (R)-1-(4-chlorophenyl)-3-{2-[4-(4-methylpiperazin-1-yl)piperidin-1-yll-2-oxo-1-thiophen-2-ylethyl}urea bistrifluoroacetate, 10 (R)-1-(4-chlorophenyl)-3-[2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2oxo-1-(2-chlorophenyl)ethyl]urea, (R)-1-(4-chlorophenyl)-3-[2-(4,4'-bipiperidinyl-1-yl)-2-oxo-1-(2chlorophenyl)ethyl]urea, (R)-1-(4-chlorophenyl)-3-[1-(2-chlorophenyl)-2-(1'-methyl-2'-oxo-15 4,4'-bipiperidinyl-1-yl)-2-oxoethyl]urea, (R)-1-(4-chlorophenyl)-3-[1-phenyl-2-(1'-methyl-2'-oxo-4,4'-bipiperidinyl-1-yl)-2-oxoethyl]urea, 2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2-oxo-1-phenylethyl (R)-4-20 chlorophenyl)carbamate, 2-oxo-1-phenyl-2-(4-pyridin-4-ylpiperazin-1-yl)ethyl (R)-(4chlorophenyl)carbamate, 2-4,4'-bipiperidinyl-1-yl-1-(2-chlorophenyl)-2-oxoethyl (R)-(4-25 chlorophenyl)carbamate hydrochloride, 2-4,4'-bipiperidinyl-1-yl-2-oxo-1-phenylethyl (R)-(4-chlorophenyl)carbamate hydrochloride, 1-(2-chlorophenyl)-2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2-oxoethyl (R)-(4-chlorophenyl)carbamate trifluoroacetate, 30 1-(2-chlorophenyl)-2-(4-morpholin-4-ylpiperidin-1-yl)-2-oxoethyl (R)-(4-chlorophenyl)carbamate trifluoroacetate, 2-[1,4']bipiperidinyl-1'-yl-1-(2-chlorophenyl)-2-oxoethyl (R)-(4chlorophenyl)carbamate trifluoroacetate,

2-(4-morpholin-4-ylpiperidin-1-yl)-2-oxo-1-phenylethyl (R)-(4-

chlorophenyl)carbamate trifluoroacetate.

		2-[1,4']bipiperidinyl-1'-yl-2-oxo-1-phenylethyl (R)-(4-chloro-
		phenyl)carbamate trifluoroacetate,
		1-(2-chlorophenyl)-2-(4-cyclohexylpiperazin-1-yl)-2-oxoethyl (R)-
_		(4-chlorophenyl)carbamate trifluoroacetate,
5		2-(4-cyclohexylpiperazin-1-yl)-2-oxo-1-phenylethyl (R)-(4-chloro-
		phenyl)carbamate trifluoroacetate,
		1-(2-chlorophenyl)-2-[4-(4-methylpiperazin-1-yl)piperidin-1-yl]-2-
		oxoethyl (R)-(4-chlorophenyl)carbamate bistrifluoroacetate,
10		2-[4-(4-methylpiperazin-1-yl)piperidin-1-yl]-2-oxo-1-phenylethyl
		(R)-(4-chlorophenyl)carbamate bistrifluoroacetate,
		1-(2,3-difluorophenyl)-2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2-oxo-
		ethyl (R)-(4-chlorophenyl)carbamate,
15		1-(2-fluorophenyl)-2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2-oxoethyl
. •		(R)-(4-chlorophenyl)carbamate,
		1-(2-methoxyphenyl)-2-(1'-methyl-4,4'-bipiperidinyl-1-yl)-2-oxo-
		ethyl (R)-(4-chlorophenyl)carbamate,
20		and pharmaceutically usable derivatives, solvates, salts and stereo-
		isomers thereof, including mixtures thereof in all ratios.
	22.	Process for the preparation of compounds of the formula I according
25		to Claims 1-21 and pharmaceutically usable derivatives, solvates and
		stereoisomers thereof, characterised in that
		a) for the preparation of compounds of the formula I
30		in which
		X denotes NH and
		Y denotes O,
25		a compound of the formula II
35		

Ш

$$H_2N$$
 R^1
 R^4
 Z
 E
 Q
 T
 R^4

5

in which

R¹, R⁴, R^{4'}, E, Q, T, Z and Z' have the meanings indicated in Claim 1,

is reacted with a compound of the formula III

10

in which

D has the meaning indicated in Claim 1,

15

or

- b) for the preparation of compounds of the formula I in which
- 20 X and Y denote O,a compound of the formula IV

$$R^4$$
 Z
 $E - Q - T$
 Z'
 $R^{4'}$
 V

in which W, Y and T have the meaning indicated in Claim 1,

is reacted with a compound of the formula V

10

20

35

in which

X and Y denote O,

L denotes Cl, Br, I or a free or reactively functionally modified OH group and

R¹ and D have the meanings indicated in Claim 1,

and/or a base or acid of the formula I is converted into one of its salts.

- 23. Compounds of the formula I according to one or more of Claims 1 to21 as inhibitors of coagulation factor Xa.
- 24. Compounds of the formula I according to one or more of Claims 1 to 21 as inhibitors of coagulation factor VIIa.
 - 25. Medicaments comprising at least one compound of the formula I according to one or more of Claims 1 to 21 and/or pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios, and optionally excipients and/or adjuvants.
- 25 26. Medicaments comprising at least one compound of the formula I according to one or more of Claims 1 to 21 and/or pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios, and at least one further medicament active ingredient.
 - 27. Use of compounds according to one or more of Claims 1 to 21 and/or physiologically acceptable salts and solvates thereof for the preparation of a medicament for the treatment of thromboses, myocardial infarction, arteriosclerosis, inflammation, apoplexy, angina pectoris,

restenosis after angioplasty, claudicatio intermittens, migraine, tumours, tumour diseases and/or tumour metastases.

- 28. Set (kit) consisting of separate packs of
 - (a) an effective amount of a compound of the formula I according to one or more of Claims 1 to 21 and/or pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios,

10 and

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- (b) an effective amount of a further medicament active ingredient.
- 29. Use of compounds of the formula I according to one or more of Claims 1 to 21 and/or pharmaceutically usable derivatives, solvates and stereoisomers thereof, including mixtures thereof in all ratios, for the preparation of a medicament for the treatment of thromboses, myocardial infarction, arteriosclerosis, inflammation, apoplexy, angina pectoris, restenosis after angioplasty, claudicatio intermittens, migraine, tumours, tumour diseases and/or tumour metastases, in combination with at least one further medicament active ingredient.

25